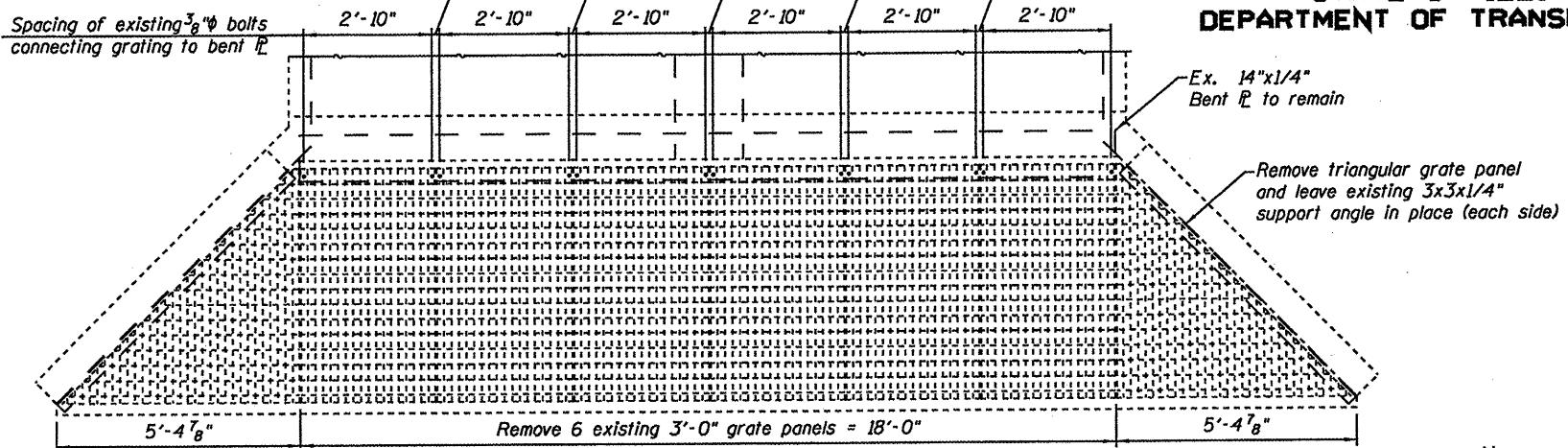
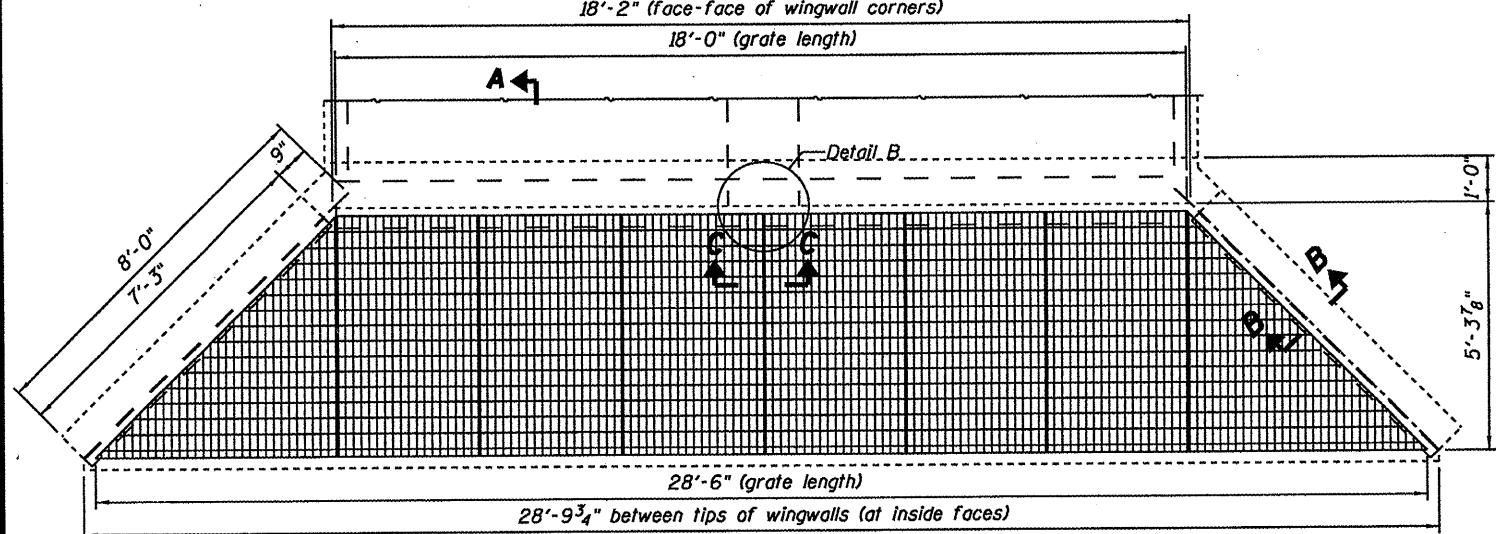


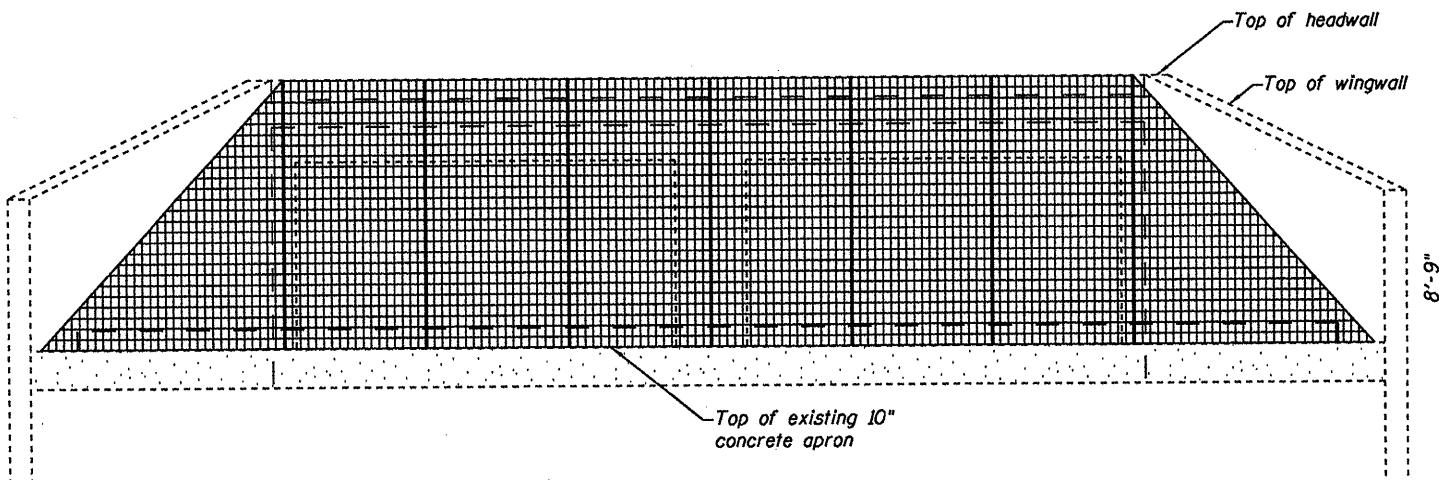
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**



**EXISTING PLAN**



**PROPOSED PLAN**

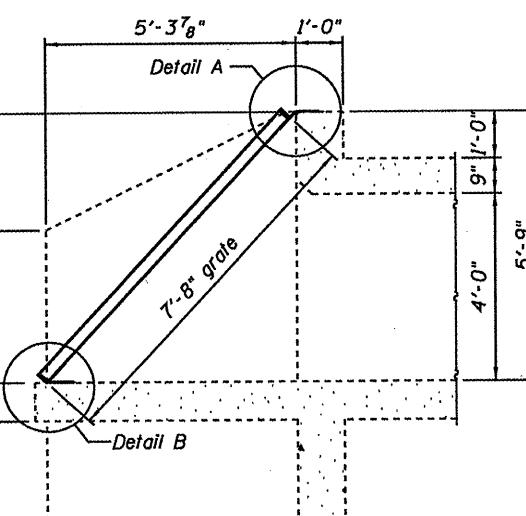


**ELEVATION**

(Looking south into entrance of double box culverts)

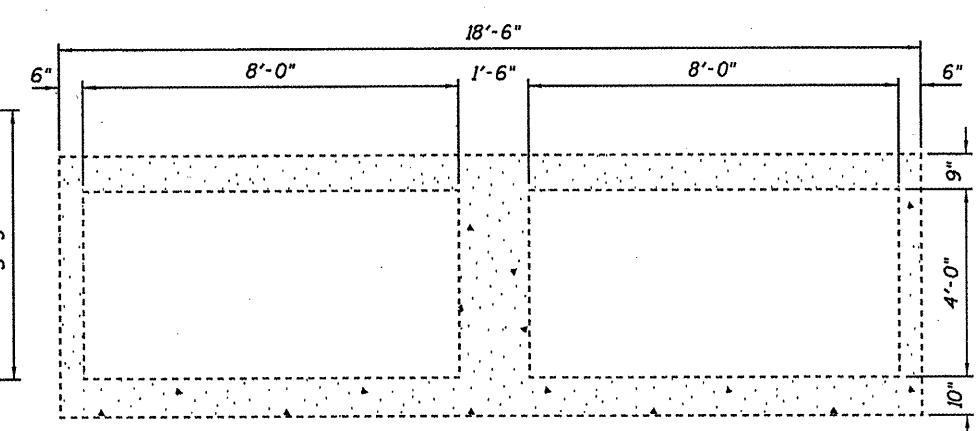
DESIGNED J. Uehle	June 11, 2010
CHECKED P. Sawyer	
EXAMINED	
PASSED	

ENGINEER OF STRUCTURAL SERVICES  
ENGINEER OF BRIDGES AND STRUCTURES



**LONGITUDINAL SECTION A-A**

(Looking East)



**BARREL SECTION**

**PLAN & ELEVATION  
SN 060-2522**

SHEET NO. 1	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2 SHEETS	255	82-1T-3	MADISON	5	4
		CONTRACT NO.	ILLINOIS	76D90	FED. AID PROJECT

**GENERAL NOTES**

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

The box culvert is an intake for a pump system. All debris shall be removed from on top of the grate, and 10' in front of the grate across the entire channel, prior to removing the existing grates. The contractor shall install temporary grating in front of the existing grate prior to removal. The contractor shall ensure that no debris larger than 4" be allowed to enter the culvert. See special provisions.

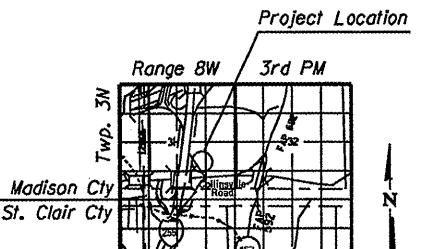
The grating may be supplied as sections no smaller than 3' wide. The sections shall be spliced together with 2"  $\phi$  bolts at 6" maximum cts.. as shown on sheet 2.

The grating must be standard steel grating. The contractor may supply different grating sections than shown. The grating must have a section modulus greater than or equal to the grating shown (2.25 cu. in./ft). The grating must also have openings that are between 1 1/2"-2 1/2" wide and 3"-5" long.

All grating, anchor bolts, nuts, and washers shall be hot-dipped galvanized according to AASHTO M311 or M232 as applicable.

Fasteners shall be AASHTO MI64 Type 3, mechanically galvanized bolts. Bolts 1 1/2"  $\phi$ , holes 5/8"  $\phi$ , unless otherwise noted.

See sheet 2 of 2 for Section B-B and C-C.



**LOCATION SKETCH**